

What Is Claimed Is:

1. A television tuner provided with a mixer for subjecting entered digital television signals or analog television signals 5 to frequency conversion into the intermediate frequency band and an intermediate frequency tuning circuit so configured as to enable a tuning frequency to be switched within the intermediate frequency band and arranged at a stage immediately following the mixer, wherein the intermediate frequency tuning circuit is tuned 10 to a first frequency substantially at a center of the intermediate frequency band when the digital television signals are entered into the mixer or tuned to a second frequency higher than the first frequency when the analog television signals are entered into the mixer.

15 2. The television tuner according to Claim 1, wherein Q of the intermediate frequency tuning circuit is lowered when the digital television signals are entered into the mixer, and wherein the Q is raised and the tuning frequency is tuned substantially to a video intermediate frequency in the 20 intermediate frequency band when the analog television signals are entered into the mixer.

3. The television tuner according to Claim 2, wherein the intermediate frequency tuning circuit has a parallel tuning circuit to be substantially tuned to the video intermediate 25 frequency, a series circuit including a switch diode and capacitance elements, and a resistor connected in parallel to the capacitance elements, wherein the series circuit is connected

to the parallel tuning circuit in parallel, and wherein the switch diode is turned on when the digital television signals are entered into the mixer or the switch diode is turned off when the analog television signals are entered into the mixer.

5           4. The television tuner according to Claim 3, wherein it has switching means provided at a stage following the intermediate frequency tuning circuit and an intermediate frequency circuit for digital signals and an intermediate frequency circuit for analog signals provided in parallel at a  
10 stage following the switching means, and wherein the digital television signals having undergone frequency conversion into the intermediate frequency band by the switching means are entered into the intermediate frequency circuit for digital signals or the analog television signals having undergone  
15 frequency conversion into the intermediate frequency band are entered into the intermediate frequency circuit for analog signals.

          5. The television tuner according to Claim 4, wherein switching signals to distinguish whether television signals  
20 entered into the mixer are the digital television signals or the analog television signals are applied to the switch diode and the switching means.